



KEYED NOTES:

- ① MOUNT BRACKET TO SIDE OF FUME HOOD WITH MINIMUM OF 3 STAINLESS STEEL (SS) SHEET METAL SCREWS. ENSURE SCREWS DO NOT INTERFERE WITH PIPING OR WIRE.
- ② STATIC PRESSURE FITTING, DWYER A-307. CONNECT FITTING DUCT BELOW DAMPER OR FIRST ELBOW WITH SWAGELOK TYPE TUBE FITTINGS OR COUPLING.
- ③ CONNECT TUBING FROM DUCT TO LOW PRESSURE CONNECTION OF GAUGE WITH SWAGELOK TYPE TUBE FITTING. LEAVE HIGH PRESSURE CONNECTION OPEN TO ROOM. PLUG REMAINDER OF GAUGE CONNECTIONS.
- ④ 1/8" COPPER OR SS TUBING W/BRASS FITTINGS. MINIMIZE USE OF FITTINGS; BEND TUBING WHERE POSSIBLE. (USE STAINLESS STEEL TUBING AND FITTINGS IN VERY CORROSIVE EXHAUST STREAM).
- ⑤ GAGE MUST BE READABLE WHILE STANDING AT FACE OF FUME HOOD. GAUGE MAY BE MOUNTED ABOVE EYE LEVEL, BUT NEITHER GAUGE NOR TUBING SHALL INTERFERE WITH MOVEMENT OF SASH.

FUME HOOD AIR FLOW INDICATOR DETAIL

SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.
2. NFPA 45 REQUIRES AIR FLOW INDICATORS BE INSTALLED ON NEW HOODS OR ON EXISTING HOODS, WHEN MODIFIED.
3. CONTACT HSR-5 FOR GUIDANCE IF ONE DUCT DIAMETER (DISTANCE FROM TOP OF FUME HOOD TO DUCT TIE-IN) CAN NOT BE OBTAINED.
4. VENT VALVE USED FOR GAUGE CALIBRATION.
5. CALCULATE OR MEASURE (USING A MICROMONOMETER) THE HOOD STATIC PRESSURE AND SPECIFY A GAUGE RANGE OF APPROXIMATELY TWICE THE HOOD STATIC PRESSURE.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

2	8-13-03	U	REVISED NOTES. DWG NO. WAS ST6706.	RP	AY	JM	GG	TO
1	5-16-01	U	REVISED KEYED NOTE 2 & DESIGNER NOTE 2, AND DWG. REVISED TO COMPLY WITH DRAFTING MANUAL. ADDED NOTE 3.	RP	MB	KB	TO	TO
NO	DATE	CLASS	REV	DESCRIPTION	DWN	DSGN	CHKD	SUB
ENGINEERING STANDARDS MANUAL				DRAWN	R. PEARSON			
				DESIGN	M. BURNETT			
				CHECKED	K. BECKMAN			
FUME HOOD AIR FLOW INDICATOR DETAIL				DATE	6-28-99			
BLDG X				TA-X				
SUBMITTED				APPROVED FOR RELEASE				
DISCIPLINE POC: GURINDER GREWAL				STANDARDS MANAGER: TOBIN ORUCH				
SHEET				1				
Los Alamos NATIONAL LABORATORY				PO Box 1663 Los Alamos, New Mexico 87545				
CLASSIFICATION U				REVIEWER LARRY BAYS				
PROJECT ID				DRAWING NO				
CHAPTER 6				ST-D3040-1				
				REV 2				